



i-mob TT2

Owners Manual

i-mob TT2 user manual FW203 V1.6.0

**For assistance in using your i-mob system or for
general enquiries, please call i-mob HQ on
08708 500800**

**To contact your monitoring service in cases of theft please call
08708 500864**

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Important Information

Thank you for choosing the i-mob TT2 to protect you and your vehicle.

The i-mob unit is active once installation is complete.

The monitoring and back up services are only fully operative once you have contacted i-mob HQ to confirm delivery of the system. The monitoring and back up services will remain operative from the date of installation for a period of 12 or 36 months depending on the package selected.

i-mob will contact you one month before the expiry date in order to renew these services for a further 12. i-mob reserves the right to suspend service where the system and/or services are subject to misuse.

On a day to day basis you do not need to do anything with your i-mob security system, however to maximise the protection offered by your i-mob TT2 system we strongly recommend that you read this manual and become familiar with its features and functions.

We particularly draw your attention to the section 'Protection Against Key Theft'

Your i-mob Phone Number

Your i-mob system has its own dedicated mobile phone number. This number will be provided to you when you confirm delivery (see delivery confirmation & Password/PIN code change below). This number is dialled to access your i-mob system just as you would dial any other mobile phone. We suggest that you make a copy of your i-mob phone number in the box below.

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Delivery Confirmation & Password/PIN Code Change

Your i-mob is fully functional and ready for you to use, however before i-mob HQ can program your customer specific details you **MUST** make contact to confirm you have taken delivery and to choose a 4 digit PIN number.

You can contact i-mob HQ on **08708 500800** Monday to Friday 9am – 5:30pm excluding public holidays, or if you wish you may send these instructions by e-mail to security@i-mob.co.uk

What to do if you receive a phone call from your i-mob;

1. **Your i-mob calls announcing "Anti-lift alarm",**
(This announcement is made if the tilt/motion sensor is activated)
 - a) the i-mob will then request "Enter password", enter your 4 digit PIN followed by the # button (default #),
 - b) to stop the alarm call cycle and disarm the i-mob press button 5, the system announces "system de-active" (the i-mob will automatically re-arm the next time the ignition is switched on and off)
 - c) the call is automatically ended.
 - d) Confirm your vehicle is safe. If your vehicle has been stolen please see section **6. Your vehicle is stolen.**

2. **Your i-mob calls announcing "battery alarm",**
(This announcement is made if the vehicle battery is lower than 9.5v, is disconnected or if the main power supply to the i-mob is broken)
 - a) the i-mob will then request "Enter password", enter your 4 digit PIN followed by the # button (default #),
 - b) to stop the alarm call cycle and disarm the i-mob press button 5, the system announces "system de-active" (the i-mob will automatically rearm the next time the ignition is switched on and off)
 - c) the call is automatically ended.
 - e) Confirm your vehicle is safe. If your vehicle has been stolen please see section **6. Your vehicle is stolen.**

- NB Make arrangement to charge the vehicle battery.**

3. **Your i-mob calls announcing "ignition alarm",**
(This announcement is made if the i-mob is manually armed and the ignition is switched on please see page 9 'Protecting against key theft')
 - a) the i-mob will then request "Enter password", enter your 4 digit PIN followed by the # button (default #),
 - b) to stop the alarm call cycle and disarm the i-mob press button 5, the system announces "system de-active" (the i-mob will automatically rearm the next time the ignition is switched on and off)
 - c) the call is automatically ended.
 - f) Confirm your vehicle is safe. If your vehicle has been stolen please see section **6. Your vehicle is stolen.**

(continued on next page)

4. **Your i-mob calls announcing "Password alarm",**
(This is announced if an inbound call to your i-mob has been received and the password has been incorrectly entered 3 times)
- the i-mob will then request "Enter password", enter your 4 digit PIN followed by the # button (default #),
 - to stop the alarm call cycle and disarm the i-mob press button 5, the system announces "system de-active" (the i-mob will automatically rearm the next time the ignition is switched on and off)
 - the call is automatically ended.
 - Confirm with authorised users if they have attempted to contact the i-mob if not report to i-mob HQ.
5. **Your vehicle is under going work (such as new tyres, servicing or body shop) OR is being transported (such as recovery truck, Euro star or ferry and similar)**

Your i-mob system **MUST** be placed into service mode so that you and or the monitoring centre do not receive false alarm calls. There are two ways in which this can be carried out the first is via SMS and the second via voice call.

Transport/Maintenance (Service mode) via SMS

Below is an example of the SMS command that need to be sent to the i-mob phone number in order to use this feature. Each of the boxes below counts as a character in the SMS or if blank represents one space. All letters must be in CAPS.

This example assumes that the user PIN code is 0000 (replace the 0000 with your own PIN)

0	0	0	0	+		P	J	G
---	---	---	---	---	--	---	---	---

Once the above SMS has been sent and accepted (it will only be accepted if the correct PIN has been entered) the i-mob system will reply with the following SMS.

```

Identification=000001
IN SERVICE
LAT=51.32.48,76N
LON=000.47.17,21W
HUA=10/01-09.01.23
L=-099 dBm
S=000 mph

```

For an explanation of this SMS see 'SMS reply explanation' on last page.

Via Voice call

- Call the i-mob system phone number
- Enter 4 digit PIN code followed by # button
- Press button 7 (system will announce "i-mob setting system command list")
- Press button 3 – (system will announce "Enter password to put in service")
within 5 seconds
- Enter 4 digit PIN followed by # button
- System will announce, "system in service" followed by the status and the features available

Your i-mob system is now in transport/maintenance mode and your vehicle can safely be transported or worked on. The call may now be ended.

If you do not carry out the above sequence before the vehicle is transported you will receive an alarm call from your i-mob as described in section 'What to do if' 1. **Your i-mob calls announcing "Anti-lift alarm"**.

NB the system remains in service until you place it back into normal operation mode please see 'Transport/Maintenance mode'

6. Your vehicle is stolen.

- Call the Police to report the theft. Explain that you have an i-mob system and that you are able through the call centre to track the vehicle to street level.
- The Police will issue a crime reference number; keep a note of this for future reference.
- Call the monitoring service on **08708 500864**. Give them your name, vehicle registration number and PIN code to verify your identity.
- Give the monitoring centre details of the Police station that you reported the theft to, and the crime number that they allocated to the incident.
- Allow the call centre to liaise with the police to recover your vehicle. **DO NOT ATTEMPT TO CONTACT YOUR I-MOB AS THIS WILL INTERFERE WITH THE CALL CENTRE COMMUNICATION TO YOUR SYSTEM.**

7. You are car-jacked

Press the panic button twice in quick succession (twice in 2 seconds). The i-mob system is now calling the monitoring centre when they receive the alert it will state "emergency" so they are aware that it is the panic button that has been pressed. Within a matter of seconds of pressing the panic button twice the monitoring centre will be able to hear what is happening in the vehicle, try and make the monitoring centre staff aware of the situation without endangering yourself, for example you could say "why are you doing this to me" or "don't hurt me" etc, this will help give vital information to the monitoring centre staff of the seriousness of the situation. The monitoring centre will then involve the appropriate emergency service if appropriate.

8. You have a serious accident

In the event that you have a major impact (2g and above) the i-mob system will automatically call the monitoring centre and announce "accident alarm" Within a matter of seconds the monitoring centre staff will be able to hear what is happening in the vehicle, if you are capable begin to talk explaining what has happened, the monitoring centre staff will then activate the hands-free function and gain vital information such as how many vehicles involved and injuries before contacting the appropriate emergency services.

Features Overview

The i-mob TT2 has the following features. These are announced by the system when contact is made and the PIN code has been accepted.

Calls to the system may be made from any tone dial phone (including mobiles).

When the PIN code has been accepted the system will announce its current status:

“Active” = system is ‘armed’
 “Standby” = system is ‘disarmed’
 “In-service” = system is in ‘transport mode’

“Command List.” *The features available will depend on the i-mob status above. i.e. feature 5 will be announced only if the system is NOT in-service*

To use any of the following features simply input the corresponding number on your key pad, e.g. key ‘9’ to obtain the position of the vehicle.

- | | |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| “Enter 1 – to activate hands-free” | This will activate the 2-way communication and enable you to speak to and hear the occupants.
This option is only announced if the feature is not already activated |
| “Enter 1 – to deactivate hands-free” | This will deactivate the 2 way communication it will no longer be possible to communicate via the speaker and microphone with the occupants of the vehicle.
This option is only announced if the feature is already activated |
| “Enter 5- to deactivate” | This ‘disarms’ the system manually.
This option is normally used during an alarm call cycle to end the alarm and reset the system.
This option is only announced if the system is armed |
| “Enter 5- to activate” | This ‘arms’ the system manually.
This option is used to give extra security for the vehicle see ‘Protecting against key theft’
This option is only announced if the system is disarmed |
| “Enter 7- for setting system” | This option is used to access service mode see ‘Transport/maintenance mode (service mode) For details see ‘Transport/maintenance mode’ on page 8. |
| “Enter 9- for location” | This feature delivers the GPS co-ordinates of the vehicle at the point of request. You may request the position repeatedly and if the vehicle is moving then the coordinates will be revised accordingly. For details see ‘Location Reports’. |

Protecting against key theft

Your i-mob system automatically arms 30 seconds after the ignition key is switched off, and disarms when the ignition key is switched on. To help prevent a thief from stealing your keys and driving the vehicle away undetected, it is possible to set the i-mob to ignore the ignition key as a method of disarming the system - this is termed as 'manual arming'.

This may be carried out in one of two ways firstly via SMS and secondly via voice call.

For convenience and ease of operation we advise that the SMS method is used. We suggest that you save the messages detailed below in your SMS archive in order to have them readily available.

Manual arming via SMS

Below is an example of the SMS command that need to be sent to the i-mob phone number in order to use this feature. Each of the boxes below counts as a character in the SMS or if blank represents one space. All letters must be in CAPS.

This example assumes that the user PIN code is 0000 (replace the 0000 with your own PIN)

0	0	0	0	+		P	J	A
---	---	---	---	---	--	---	---	---

By carrying this procedure out your i-mob will call if the ignition key is turn on. **BEFORE** using the vehicle again carry out the step/s below (manually disarm the system).

Manual disarming SMS

Below is an example of the SMS command that need to be sent to the i-mob phone number in order to use this feature. Each of the boxes below counts as a character in the SMS or if blank represents one space. All letters must be in CAPS.

This example assumes that the user PIN code is 0000 (replace the 0000 with your own PIN)

0	0	0	0	+		P	J	D
---	---	---	---	---	--	---	---	---

Your i-mob system will now operate normally and will re-arm the next time the ignition is switched on and then off.

Manual arming via voice call

- 1) Lock the vehicle and leave it for minimum 60 seconds
- 2) Call the i-mob system phone number
- 3) Enter 4 digit PIN code followed by #
- 4) Press button 5 – system will announce “system de-active”
- 5) Press button 5 again – system will announce “system active”
- 6) End the call.

The system is now manually armed.

By carrying this procedure out your i-mob will call if the ignition key is turn on. **BEFORE** using the vehicle again carry out the step/s below (manually disarm the system).

Manual disarming via voice call

- 1) Call the i-mob system phone number
- 2) Enter 4 digit PIN code followed by #
- 3) Press button 5 – system will announce “system de-active”
- 4) End the call.

The system is now manually disarmed.

Your i-mob system will now operate normally and will re-arm the next time the ignition is switched on and then off.

Transport/Maintenance Mode (service mode)

Should your vehicle be transported by trailer, or is likely to be away from you for an extended period for maintenance, it is essential to place it into 'Service Mode'. This may be carried out in one of two ways firstly via SMS and secondly via voice call.

By this action the system will not respond to the normal inputs and will not therefore send you false alarms.

If you are travelling with the vehicle and will undergo a sea crossing, Eurostar or similar it is also necessary to place the system in 'Service Mode' as the motion of the ship/train will result in false alarms.

Transport/Maintenance (Service mode) via SMS

Below is an example of the SMS command that need to be sent to the i-mob phone number in order to use this feature. Each of the boxes below counts as a character in the SMS or if blank represents one space. All letters must be in CAPS.

This example assumes that the user PIN code is 0000 (replace the 0000 with your own PIN)

0	0	0	0	+		P	J	G
---	---	---	---	---	--	---	---	---

Once the above SMS has been sent and accepted (it will only be accepted if the correct PIN has been entered) the i-mob system will reply with the following SMS.

```
Identification=000001
IN SERVICE
LAT=51.32.48,76N
LON=000.47.17,21W
HUA=10/01-09.01.23
L=-099 dBm
S=000 mph
```

For an explanation of this SMS see 'SMS reply explanation' on last page.

To place the i-mob back to normal operation via SMS

Below is an example of the SMS command that need to be sent to the i-mob phone number in order to use this feature. Each of the boxes below counts as a character in the SMS or if blank represents one space. All letters must be in CAPS.

This example assumes that the user PIN code is 0000 (replace the 0000 with your own PIN)

0	0	0	0	+		P	J	J
---	---	---	---	---	--	---	---	---

Once the above SMS has been sent and accepted (it will only be accepted if the correct PIN has been entered) the i-mob system will reply with the following SMS.

```
Identification=000001
IN STAND BY
LAT=51.32.48,76N
LON=000.47.17,21W
HUA=10/01-09.01.23
L=-099 dBm
S=000 mph
```

For an explanation of this SMS see 'SMS reply explanation' on last page.

To place in Service Mode via voice call;

- 1) Call the i-mob system phone number
- 2) Enter 4 digit PIN code followed by # button
- 3) Press button 7- (system will announce "i-mob setting system command list")
- 4) Press button 3 – (system will announce "Enter password to put in service")

within 5 seconds

- 5) Enter 4 digit PIN followed by # button
- 6) System will announce, "system in service" followed by the status and the features available

Your i-mob system is now in transport/maintenance mode and your vehicle can safely be transported or worked on. The call may now be ended.

If you do not carry out the above sequence before the vehicle is transported you will receive an alarm call from your i-mob as described in section 'What to do if' 1 **Your i-mob calls announcing "Anti-lift alarm"** .

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To place the i-mob back to normal operation via voice call;

- 1) Call the i-mob system phone number
- 2) Enter 4 digit PIN code followed by #
- 3) Press button 7 – system will announce “i-mob setting system command List”
- 4) Press button 4 system will announce “In Service Over” followed by the status of the system and the features available

Your i-mob is now back in normal operation and the call maybe ended.

Location Reports

Location reports enable the i-mob system to give the last known latitude and longitude. This can be carried out via SMS or voice call.

Location via SMS

Below is an example of the SMS command that need to be sent to the i-mob phone number in order to use this feature. Each of the boxes below counts as a character in the SMS or if blank represents one space. All letters must be in CAPS.

This example assumes that the user PIN code is 0000 (replace the 0000 with your own PIN)

0	0	0	0	+		T	J
---	---	---	---	---	--	---	---

Once the above SMS has been sent and accepted (it will only be accepted if the correct PIN has been entered) the i-mob system will reply with the following SMS.

```
ZONE=,CIG=04C4,06B8  
LAT=51.32.48,76N  
LON=000.47.17,21W
```

For an explanation of this SMS, see 'Description of location request SMS' on last page.

Location via voice call

- 1) Call the i-mob system phone number
- 2) Enter 4 digit PIN code followed by # button
- 3) Press button 9 (system will announce the last known latitude and longitude)
- 4) End the call.

To understand what these figures represent as a physical location you may interpret them using Microsoft AutoRoute together with a conversion programme (i-mob locator) or it is also possible to use i-mob with other mapping software such as Google Earth, to do this use i-mob converter.

Microsoft AutoRoute is available from all good PC retailers and is already included within many Microsoft Software packages.

i-mob converter and locator software and instructions for use are supplied free of charge from our web site www.i-mob.co.uk using the 'customer area' page.

SMS reply explanations

Example SMS

Identification=000001
IN SERVICE
LAT=51.32.48,76N
LON=000.47.17,21W
HUA=10/01-09.01.23
L=-099 dBm
S=000 mph

Explanation of SMS

Identification = Customer ID number
IN SERVICE = system status (see system status key below)
LAT = last known latitude
LON = last known longitude
HUA= This indicates the day, month and time of the last confirmed GPS position. The format is day/month-hour.minute.seconds
L = GSM strength
S = current speed (calculated via GPS)

System status key

ARMED = system armed automatically
REM ARMED = system manually armed (for key theft protection)
IN ALARM = alarm call cycle in progress
IN SERVICE = system is in service mode
IN STANDBY = system is disarmed

Description of location request SMS

Example SMS

ZONE=,CIG=04C4,06B8
LAT=51.32.48,76N
LON=000.47.17,21W

Explanation of SMS

ZONE=,CIG= Cell location
LAT= last known latitude
LON= last known longitude